



CHICAGOLAND

August 2019 Chapter Meeting



Thursday, August 15
6:00-6:30 pm – Dinner & Networking
6:30-6:45 pm – Announcements & Intros
6:45-8:00 pm – Feature Presentation and Q&A

Boeing 737 MAX

Considerations for Legacy Products

Abstract

Did a set of air stairs from the original Boeing 737 design contribute to the recent fatal 737 Max crashes? What role did new engines for this airframe, not once, but twice, play? Were systems engineers aware of late design changes to the flight management “MCAS” software to expand its original output response? Why do some flight-critical sensors get triple redundancy while the angle of attack sensor did not? Were the FMEAs re-evaluated? When should additional training be required for design changes? We’ll explore all too common problems when the original design met the users’ and stakeholders’ needs, but subsequent design changes for legacy products can often lead to unsafe designs.

About our Speaker

Steve J. Lindo is President of SIM Solutions, a systems engineering consulting company and CEO of Simergent, a medical device startup company. Steve holds a BS in Aerospace Engineering from the University of Oklahoma and a MS in Mechanical Engineering / Control Systems from Southern Methodist University. With 19 years of engineering experience, Mr. Lindo began his career at Raytheon / L-3 Aircraft Integration Systems designing mechanical systems for radical modifications to legacy military and civilian aircraft. His aircraft experience includes systems for cooling, anti-ice, hydraulics, pneumatics, fuel, APUs, and propulsion. Steve is a former Chapter Secretary and Programs Chair for the INCOSE Chicagoland Chapter, and is also a licensed private pilot.

IBM (Live!)
10 N Martindale Rd
Schaumburg, IL 60173
3rd Floor Conference Room

bb7
5407 Fen Oak Dr
Madison, WI 53718
Mendota Conference Room

Oshkosh Corp
(employees only)
370 W Waukau Ave
Oshkosh, WI 54902

Online
<https://incose.pgimeet.com/INCOSEResourceTwelve>
(605) 475-5604
Passcode: 723 236 7062

For more information, visit incose.org/chicagoland